
ITS Standards Work in FY 2007

Standards Leadership Roles and Membership in Standards Development Organizations

David J. Atkinson, Vice-Chair of the APIC Vocoder Task Group affiliated with TIA TR-8.

Christopher J. Behm, Member of Working Party 3L and 3K, ITU-R Study Group 3.

Randall S. Bloomfield, Vice-Chair of the ISSI Task Group (ISSI TG) and Vice-Chair of the P25 Systems Architecture Working Group (PSAWG) (both within the APCO Project 25 Interface Committee); Editor of Project 25 Statement of Requirements (P25 SoR).

Carolyn Ford, Member of Video Quality Experts Group (VQEG); Member IACP DVS Minimum Performance Specification Project.

Paul M. McKenna, U.S. Chair of ITU-R Study Group 3 (Radiowave Propagation); Working Party 3J, 3K, 3L, and 3M; Chair of (international) Subgroup 3K.2.

Margaret Pinson, Independent Lab Group member for Multimedia test and Co-chair of HDTV effort, Video Quality Experts Group.

Patricia J. Raush, Member of Working Party 3J and 3K, ITU-R Study Group 3.

Timothy J. Riley, Member of Alliance for Telecommunications Industry Solutions (ATIS) committee WTSC-G3GRA (Wireless Technologies and Systems Committee — Radio Aspects of GSM/3G and Beyond) and issue champion and editor for development of a document addressing interference issues affecting wireless communication systems. Member of the US delegation to Working Party 5D (IMT Systems), ITU-R Study Group 5 (Terrestrial Services) (formerly Working Party 8F (IMT-2000 and systems beyond IMT-2000), ITU-R Study Group 8 (Mobile, radiodetermination, amateur and related satellite services)).

Teresa Rusyn, Member of Working Party 3K and 3M, ITU-R Study Group 3; CCV Rapporteur for Working Parties 3J, 3K, 3L, and 3M.

Frank Sanders, Chair of ITU-R Radar Correspondence Group (radar technical spectrum issues); Delegate to ITU-R Working Party 8B (radar spectrum allocation and sharing) and Joint Rapporteur Group 1A-1C-8B (radar spectrum efficiency issues).

Neal B. Seitz, Vice Chair of ITU-T Study Group 13 (Next Generation Networks); Chair of ITU-T Study Group 13 Working Party 4 (OAM and QoS); Vice Chair of ATIS Network Performance, Reliability, and Quality of Service Committee (PRQC); Chair of PRQC's Quality of Service Task Force (PRQC-QoS).

Bruce R. Ward, Co-Editor (TIA TR8.19), TIA.102-CACA, "ISSI Measurement Methods for Voice Services," and TIA.102-CACB, "ISSI Performance Recommendations for Voice Services."

Arthur Webster, Co-chair of Video Quality Experts Group (VQEG); Rapporteur for Question 14/9 (Objective and subjective methods for evaluating perceptual audiovisual quality in multimedia services within the terms of Study Group 9) in ITU-T Study Group 9 (Integrated broadband cable networks and television and sound transmission); Chair of Joint Rapporteur Group on Multimedia Quality Assessment (JRG-MMQA); Chair of ATIS PRQC's Security Task Force. Study Group 9's Liaison Officer for the ITU's Telecommunications for Disaster Relief and Mitigation - Partnership Co-ordination Panel (PCP-TDR); Chair of the ATIS Joint Ad-Hoc Technical Committee for Issues PRQC A0029 and TMOC 95. Co-Chair of ITU-T Study Group 9's Working Group 5 "Quality Assessment"; Head of U.S. Delegation to ITU-T Study Group 9.

Representative Technical Contributions

Contributions listed below are a sample of the extensive standards work that ITS does each year. More details of this work can be found in the individual write-ups throughout this report.

Emergency Telecommunications Service Projects

- “Proposed Draft New Recommendation J.prefrm ‘Roadmap for implementing preferential telecommunications in IPCablecom networks’ “ ITU-T Study Group 9, Contribution 48 (USA) (A. Webster and G. Bain (NCS/DHS))
- “Revisions to draft new Recommendation J.pref – ‘Specifications for preferential telecommunications over IPCablecom networks.’ “ ITU-T Study Group 9, Contribution 49 (USA) (A. Webster and G. Bain (NCS/DHS))
- “Proposed text for inclusion into a new Draft New Recommendation to support Priority treatment in IPCablecom2 networks.” ITU-T Study Group 9, Contribution 66 (USA) (A. Webster and G. Bain (NCS/DHS))
- “Draft Revision of T1.TR.79-2003 ‘Overview of Standards in Support of Emergency Telecommunications Service (ETS).’” ATIS PRQC-2006-014R8 (A. Webster and A. Nguyen (NCS/DHS), editors)
- “Security for Next Generation Networks – An End User Perspective.” ATIS PRQC-2007-008, Draft Technical Report (A. Webster, editor)
- Revised T1.523-2001 TELECOM GLOSSARY.” ATIS PRQC-2007-009 (A. Webster, J. Colombo (Verizon), editors)
- PRQC Security Task Force Presentation to 3GPP. ATIS PRQC-2007-120 (A. Webster)

High-power Radars and Spectrum Sharing

- “Measuring HF (2-30 MHz) Radars Using ITU-R M.1177 and Time Sampling Techniques,” ITU-R Joint Rapporteurs Group 1A-1C-1B on Radar Unwanted Emissions and ITU-R WP-8B (now WP-5B), Feb. 2007 (F.H. Sanders and R. Sole)
- “Comparison of Frequency Domain Measured Radar Emissions to Time- Sampled Waveforms,” ITU-R Joint Rapporteurs Group 1A-1C-1B on Radar Unwanted Emissions and ITU-R WP-8B (now WP-5B), Feb. 2007 (F.H. Sanders and R. Sole)
- “The Effects of Zero-Padding FFTs and the Windowing Function on Time- Sampled Waveforms,” ITU-R Joint Rapporteurs Group 1A-1C-1B on Radar Unwanted Emissions and ITU-R WP-8B (now WP-5B), Feb. 2007 (F.H. Sanders and R. Sole)
- “Synthetic Airborne Radar (SAR) L-Band Emission Data,” ITU-R Joint Rapporteurs Group 1A-1C-1B on Radar Unwanted Emissions and ITU-R WP-8B (now WP-5B), Feb. 2007 (F.H. Sanders and R. Sole)

APCO Project 25

- NIST/OLES Letter Ballot Comments on Draft TIA-102.CACA (ISSI Measurement Methods for Voice Services), TR8-19, Feb. 2007 (R. Bloomfield, B. Ward, N. Walowitz (Protiro for ITS)).
- NIST/OLES Letter Ballot Comments on Draft TIA-102.CACB (ISSI Performance Recommendations for Voice Services), TR8-19, Feb. 2007 (R. Bloomfield, B. Ward, N. Walowitz (Protiro for ITS)).

- ISSI Interoperability Test Procedures Standards Development White Paper: Summary of Conclusions and Recommendations, CAPP TG, Aug. 2007 (B. Ward, N. Walowitz (Protiro for ITS)).
- ISSI Interoperability Test Procedures Standards Development White Paper, CAPP TG, Aug. 2007 (B. Ward, N. Walowitz (Protiro for ITS)).
- ITS Response to Motorola Comments on ISSI Interoperability White Paper, CAPP TG, Oct. 2007 (R. Bloomfield, B. Ward, N. Walowitz (Protiro for ITS)).
- ITS and NIST/ANTD Questions on ISSI Messages and Procedures Document (TIA.102-BACA), TR8.19, Feb. 2007 (B. Ward, M. Ranganathan (NIST/ANTD), N. Walowitz (Protiro for ITS)).
- ITS and NIST/ANTD Comments on ISSI Conformance Test Document (07-019), ISSI TG, Mar. 2007 (B. Ward, M. Ranganathan (NIST/ANTD), N. Walowitz (Protiro for ITS)).
- ITS and NIST/ANTD Comments on ISSI Conformance Test Document (07-019-R3), ISSI TG, Oct. 2007 (B. Ward, M. Ranganathan (NIST/ANTD), N. Walowitz (Protiro for ITS)).
- Working Document – Issue F, Identification of P25 SoR Requirements for Updating of Current (March 9, 2006) P25 SoR, P25 UNS, July, 2007 (R. Bloomfield).
- P25 Statement of Requirements (Approved Aug. 4, 2007), P25 UNS and P25/34 Steering Committee, Aug. 2007 (R. Bloomfield).

Quality of Service

- “SIP-based call processing performance,” ITU-T Study Group 12 C 73, Aug. 2007 (N. Seitz).
- “Interworking guidelines for transporting assured IP flows,” ITU-T Study Group 12 C 72, Aug. 2007 (N. Seitz).

Video Quality

- “Draft American National Standard for Trial Use: Reduced Reference Video Calibration Estimation Method,” PRQC-2007-061R1, Sep. 2007 (A. Webster, S. Wolf, and M. Pinson).
- “Draft New Recommendation J.vcrr, Video Calibration-Reduced Reference.” ITU-T Study Group 9, Contribution 50 (USA) (A. Webster and M. Pinson).
- “Proposed changes to Preliminary Draft new Recommendation J.cal ‘Calibration methods for constant misalignment of spatial and temporal domains with constant gain offset.’ ” ITU-T Study Group 9, Contribution 67 (USA) (A. Webster, M. Pinson, and S. Wolf)
- Proposed Draft New Recommendation J.trv “Subjective video quality assessment methods for recognition tasks,” Sep. 2007 (A. Webster, C. Ford, M. McFarland).
- “Video Quality Work in ITU-T Study Group 9, JRG-MMQA, and VQEG.” ATIS PRQC-2006-160, (A. Webster)